

Supplementary Information

The mode and dynamics of glioblastoma cell invasion into a decellularized tissue-derived extracellular matrix-based three-dimensional tumor model

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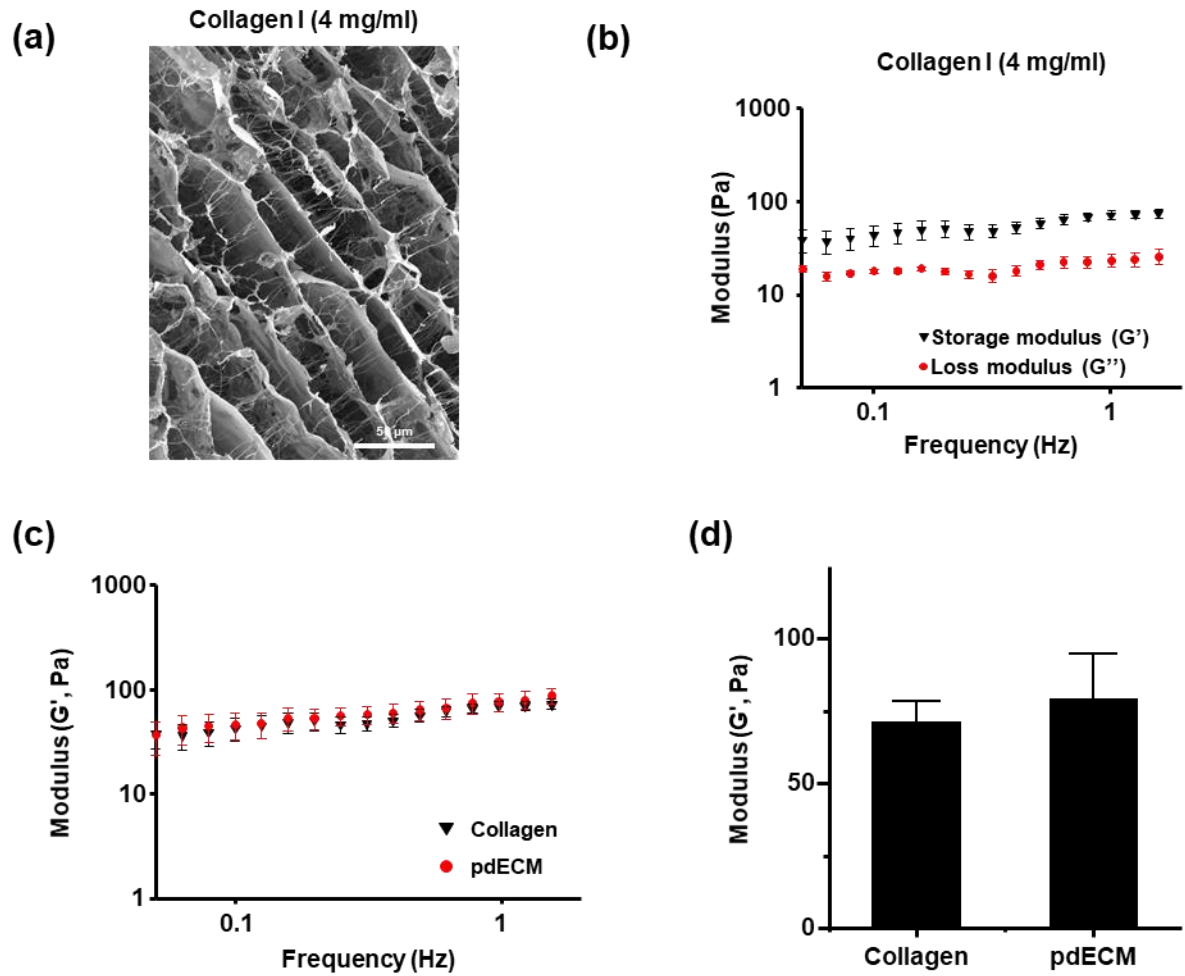
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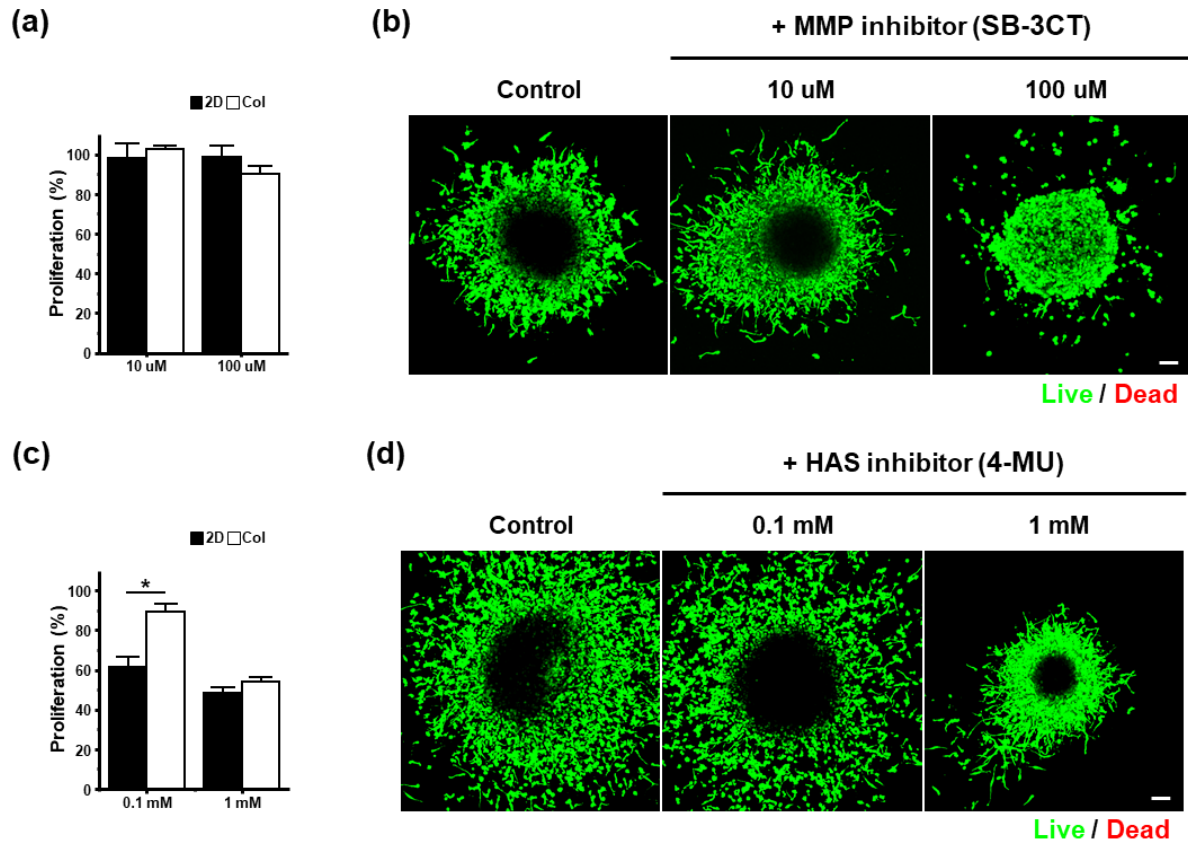
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Supplementary Figures



Supplementary Figure 1. (a) SEM image of collagen hydrogel. (b) Mechanical property of collagen hydrogel. (c) Elastic modulus of collagen and pdECM hydrogel (d) Average elastic modulus of collagen and pdECM hydrogels at a frequency of 1 Hz.



Supplementary Figure 2. (a) The normalized viability of pdGCs in the presence of an inhibitor of matrix metalloproteinases 2 and 9 (MMP2/9; SB-3CT). (b) Representative image of SB-3CT-treated pdGCs in collagen hydrogels after 72 h invasion. (c) Normalized viability of pdGCs in the presence of a hyaluronan synthase (HAS) inhibitor (4-MU) (*, $p < 0.05$; **, $p < 0.01$). (d) Representative image of 4-MU treated pdGCs in collagen hydrogels after 72 h invasion. ($n = 3\sim 4$; Asterisks indicate a significant difference statistically by student's t-test, $*p < 0.05$).